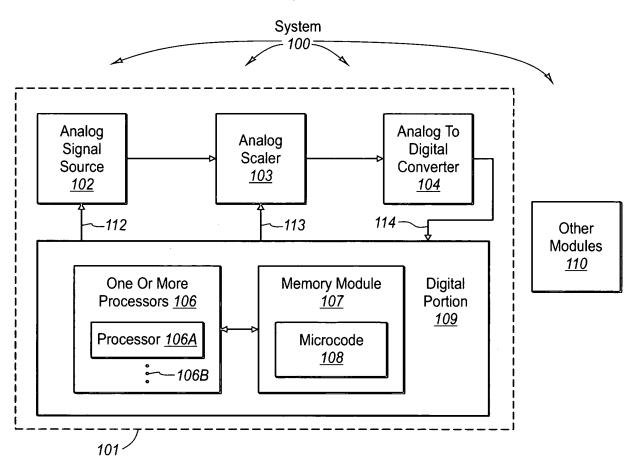Title: MICROCODE DRIVEN ADJUSTMENT OF ANALOG-TO-DIGITAL CONVERTER
Inventors: Daniel Case, Gerald L. Dybsetter and Jayne C. Hahin
Docket No.: 15436.333.1

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System
100

Analog Signal Source
102

Analog Scaler
103

Analog To Digital Converter
104

Other Modules
110

112

113

114

One Or More Processors 106

Processor 106A

106B

Memory Module
107

Microcode
108

Digital Portion
109

101

Fig. 1

202

231

221

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223

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224

210

Analog Signal

235

Fig. 2

Title: MICROCODE DRIVEN ADJUSTMENT OF ANALOG-TO-DIGITAL CONVERTER
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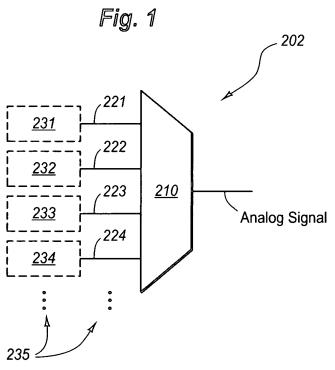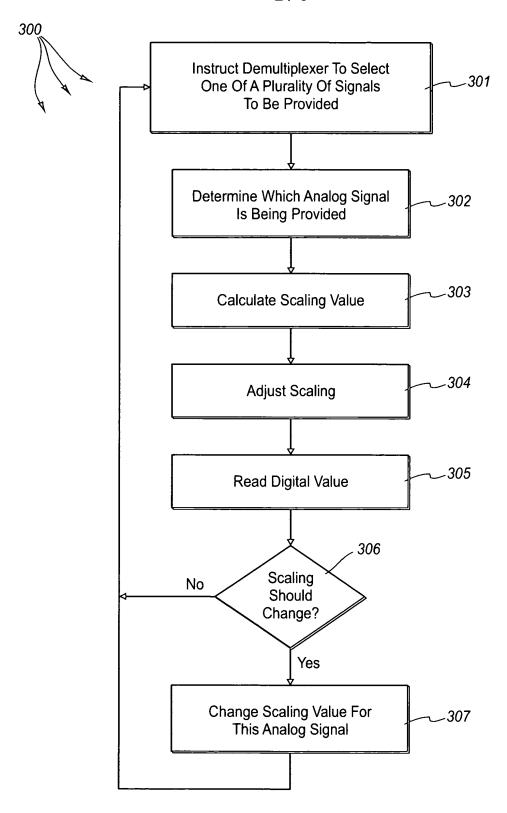Docket No.: 15436.333.1

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300

Instruct Demultiplexer To Select
One Of A Plurality Of Signals
To Be Provided — 301

Determine Which Analog Signal
Is Being Provided — 302

Calculate Scaling Value — 303

Adjust Scaling — 304

Read Digital Value — 305

Scaling
Should
Change? — 306

No

Yes

Change Scaling Value For
This Analog Signal — 307

Fig. 3

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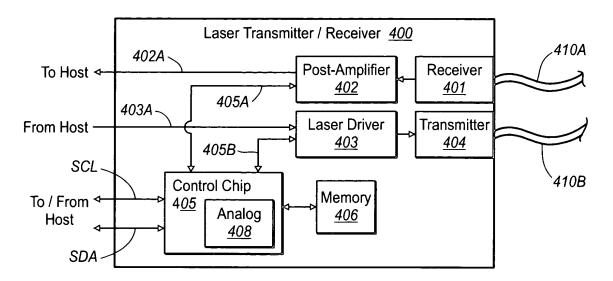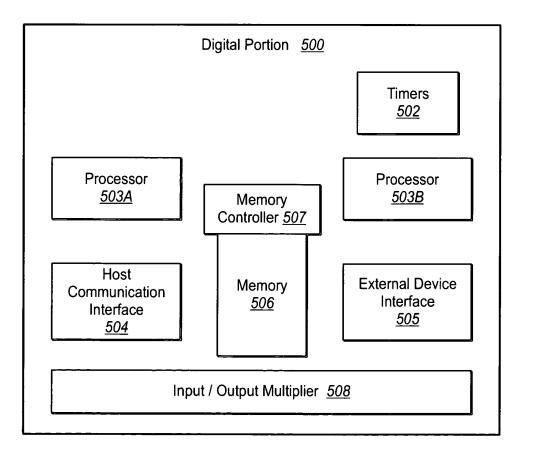Docket No.: 15436.333.1

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Fig. 4

Fig. 5